



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 10/624,531 Confirmation No.: 6658  
Applicant : Jacques COLINGE et al.  
Filed : July 23, 2003  
Title : SYSTEM AND METHOD FOR SCORING PEPTIDE MATCHES  
TC/Art Unit : 2123  
Examiner: : Unassigned

Docket No. : 64176.000005  
Customer No. : 21967

**MAIL STOP PETITION**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicant respectfully requests consideration of the references listed on the attached Form PTO/SB/08A.

Applicant respectfully requests that the Examiner consider the references cited on the Form PTO/SB/08A and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO/SB/08A with the Examiner's initials in the left column per MPEP 609.

Applicants' submission of this Supplemental Information Disclosure Statement (IDS) shall not be construed as an admission that the cited references are prior art to the present invention, or that the cited references qualify as printed publications. The submission of this IDS also shall not be construed as a representation that a prior art search has been performed.

For the convenience of the Examiner in considering the cited references, a copy of each of the cited references is enclosed with this communication. In considering the cited references, it may be noted by the Examiner that certain of the references may contain markings, underlinings, and/or other notations. These markings, underlinings, and/or other notations are

not to be construed as drawing the Examiner's attention either to selected parts or away from other parts of the cited references. Any such markings were either present on the copies of the cited references obtained by the associated individuals, or were made thereon during the study of the references by the associated individuals.

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form SB/08A with the Examiner's initials in the left column in accordance with MPEP 609 are respectfully requested.

In accordance with 37 C.F.R. § 1.97(b), this Supplemental Information Disclosure Statement is believed to be submitted prior to issuance of a first Office Action. Therefore, it is respectfully submitted that no fee is required for consideration of this information. However, in the event any fee is deemed necessary, the Commissioner is authorized to charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: 4/5/05

By: 

Ce Li

Limited Recognition

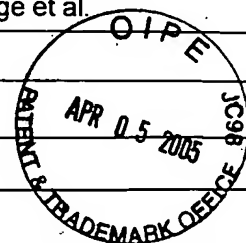
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Application Number	10/624,531
Filing Date	July 23, 2003
First Named Inventor	Jacques Colinge et al.
Art Unit	2123
Examiner Name	Unassigned

Sheet	1	of	1	Attorney Docket Number	64176.000005
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**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US- 5538897	07-23-1996	Yates, III et al.	
	2.	US- 6017693	01-25-2000	Yates, III et al.	
	3.	US- 20020046002	04-18-2002	Tang et al.	
	4.	US- 6489121	12-03-2002	Skilling	
	5.	US- 6489608	12-03-2002	Skilling	
	6.	US- 2003/0052263	03-20-2003	Kaufman et al.	
	7.	US- 2003/0054408	03-20-2003	Kaufman et al.	
	8.	US- 6582965	06-24-2003	Townsend et al.	
	9.	US- 2003/0153007	08-14-2003	Chen et al.	
	10.	US- 6660229	12-09-2003	Cantor et al.	
	11.	US- 2004/0041089	03-04-2004	Halpern	
	12.	US- 2004/0153249	08-05-2004	Zhang et al.	
	13.	US- 2004/0175838	09-09-2004	Jarman et al.	
	14.	US- 6800449	10-05-2004	Haynes et al.	
	15.	US- 2004/01295500	10-07-2004	Sachs et al.	
	16.	US- 6852544	02-08-2005	Aebersold et al.	

**FOREIGN PATENT DOCUMENTS**

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT	Publication Date MM-YYYY	Country	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATIO N	
						YES	NO
	17.	2000-039436	02-08-2000	JP		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	18.	1239288	09-11-2002	EP		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	19.	2004-012355	01-15-2004	JP		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	20.	2004-257922	09-16-2004	JP		<input checked="" type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

APR 05 2005  
PATENT & TRADEMARK OFFICE

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
	21.	KELLER et al., "Experimental Protein Mixture for Validating Tandem Mass Spectral Analysis" URL: <a href="http://www.biotech.org/publications/proteome_2.pdf">http://www.biotech.org/publications/proteome_2.pdf</a>	<input type="checkbox"/>	<input type="checkbox"/>
	22.	Annaiah et al., "A Tool for Handling Tandem Mass Spectrometry Protein Database Search Results" URL: <a href="http://chemfacilities.chem.indiana.edu/facilities/proteomics/ASM_S_2004_TPA014_abs.pdf">http://chemfacilities.chem.indiana.edu/facilities/proteomics/ASM_S_2004_TPA014_abs.pdf</a>	<input type="checkbox"/>	<input type="checkbox"/>
	23.	Fridman et al., "An Alternative to Sequest" URL: <a href="http://recomb04.sdsc.edu/posters/tfaATornl.gov_130.pdf">http://recomb04.sdsc.edu/posters/tfaATornl.gov_130.pdf</a>	<input type="checkbox"/>	<input type="checkbox"/>
	24.	"Introduction to Mass Spectrometry" URL: <a href="http://gg.bu.edu/proteomics/intro.htm">http://gg.bu.edu/proteomics/intro.htm</a>	<input type="checkbox"/>	<input type="checkbox"/>
	25.	Sadygov et al., "Large-scale Database Searching Using Tandem Mass Spectra: Looking Up The Answer In The Back Of The Book" URL: <a href="http://www.nature.com/cgi-taf/DynaPage.taf?file=/nmeth/journal/v1/n3/full/nmeth725.html">http://www.nature.com/cgi-taf/DynaPage.taf?file=/nmeth/journal/v1/n3/full/nmeth725.html</a>	<input type="checkbox"/>	<input type="checkbox"/>
	26.	Fu et al., "Exploiting the Kernel Trick to Correlate Fragment Ions for Peptide Identification Via Tandem Mass Spectrometry" URL: <a href="http://www.ingentaconnect.com/connect/oup/cabious/2004/00000020/00000012/art01948">http://www.ingentaconnect.com/connect/oup/cabious/2004/00000020/00000012/art01948</a>	<input type="checkbox"/>	<input type="checkbox"/>
	27.	Citation: Electrophoresis. 1999 Dec.;20(18):3551-67. Accession #: PMID: 10612281	<input type="checkbox"/>	<input type="checkbox"/>
	28.	Citation: Anal Chem. 2002 Nov. 1;74(21):5593-9. Accession #: PMID: 12433093	<input type="checkbox"/>	<input type="checkbox"/>
	29.	Citation: Anal Chem. 2003 Aug. 1;75(15):3792-8. Accession #: PMID: 14572045	<input type="checkbox"/>	<input type="checkbox"/>
	30.	Citation: Anal Chem. 2004 Mar. 15;76(6):1664-71. Accession #: PMID: 15018565	<input type="checkbox"/>	<input type="checkbox"/>
	31.	Citation: Anal Chem. 1995 Apr. 15;67(8):1426-36. Accession # PMID: 7741214	<input type="checkbox"/>	<input type="checkbox"/>
	32.	Citation: Anal Chem. 2004 Apr. 15;76(8):2355-66. Accession #: PMID: 15080748	<input type="checkbox"/>	<input type="checkbox"/>
	33.	Citation: Biol Mass Spectrom. 1993 June;22(6):338-45. Accession #: PMID: 8329463	<input type="checkbox"/>	<input type="checkbox"/>
	34.	Citation: Rapid Commun Mass Spectrom. 1997;11(9); 1067-75. Accession #: PMID: 10582570	<input type="checkbox"/>	<input type="checkbox"/>
	35.	Citation: J Comput Biol. 1999 Fall-Winter;6(3-4):327-42. Accession #: PMID: 10582570	<input type="checkbox"/>	<input type="checkbox"/>
	36.	Citation: Proteomics. 2002 Mar.;2(3):262-70. Accession #: PMID: 11921442	<input type="checkbox"/>	<input type="checkbox"/>

37.	Citation: Anal Chem. 2004 Jan. 15;76(2):267-75. Accession #: PMID: 14719870	<input type="checkbox"/>	<input type="checkbox"/>
38.	Citation: J Proteome Res. 2004 Jan-Feb;3(1):32-6. Accession #: PMID: 14998160	<input type="checkbox"/>	<input type="checkbox"/>
39.	Citation: Bioinformatics. 2001;17 Suppl 1:S13-21. Accession #: PMID 11472988	<input type="checkbox"/>	<input type="checkbox"/>
40.	Citation: Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai). 2003 Aug;35(8):734-40. Accession #: PMID: 12897969	<input type="checkbox"/>	<input type="checkbox"/>
41.	Citation: Anal Chem. 2003 Nov. 15;75(22):6251-64. Accession #: PMID: 14616009	<input type="checkbox"/>	<input type="checkbox"/>
EXAMINER SIGNATURE		DATE CONSIDERED	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			